Reservoir		Red River B	asin Total size:	5,993 Acres				
Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean	
Aquatic Life U	Jse							
2002	Dissolved Oxygen grab average	Not Assessed	Lower half of lake	2,997	9	0		
2002	Dissolved Oxygen grab average	Not Assessed	Upper half of lake	2,996	6	0		
2002	Dissolved Oxygen grab minimum	No Concern-Limited Data	Lower half of lake	2,997	9	0		
2002	Dissolved Oxygen grab minimum	No Concern-Limited Data	Upper half of lake	2,996	6	0		
2002	Dissolved Oxygen 24hr average	Not Assessed	Lower half of lake	2,997	0			
2002	Dissolved Oxygen 24hr average	Not Assessed	Upper half of lake	2,996	0			
2002	Dissolved Oxygen 24hr minimum	Not Assessed	Lower half of lake	2,997	0			
2002	Dissolved Oxygen 24hr minimum	Not Assessed	Upper half of lake	2,996	0			
2002	Acute Metals in water	No Concern-Limited Data	Lower half of lake	2,997	4	0		
2002	Acute Metals in water	Not Assessed	Upper half of lake	2,996	1	0		
2002	Chronic Metals in water	No Concern-Limited Data	Lower half of lake	2,997	4			
2002	Chronic Metals in water	Not Assessed	Upper half of lake	2,996	1			
2002	Overall Aquatic Life Use	Not Assessed	Lower half of lake	2,997				
2002	Overall Aquatic Life Use	Not Assessed	Upper half of lake	2,996				
Contact Recre	eation Use							
2002	E. coli single sample	Not Assessed	Lower half of lake	2,997	1			
2002	E. coli single sample	Not Assessed	Upper half of lake	2,996	1	1		
2002	E. coli geometric mean	Not Assessed	Lower half of lake	2,997	1		6	
2002	E. coli geometric mean	Not Assessed	Upper half of lake	2,996	1		8	

Reservo	oir	Red River B	asin Total size:		5,993	Acres	
Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Contact Recre	eation Use (continued)						
2002	Fecal coliform single sample	Not Assessed	Lower half of lake	2,997	8	0	
2002	Fecal coliform single sample	No Concern-Limited Data	Upper half of lake	2,996	6	0	
2002	Fecal coliform geometric mean	Not Assessed	Lower half of lake	2,997	8		2
2002	Fecal coliform geometric mean	No Concern-Limited Data	Upper half of lake	2,996	6		2
2002	Overall Recreation Use	Not Assessed	Lower half of lake	2,997			
2002	Overall Recreation Use	Not Assessed	Upper half of lake	2,996			
General Use				,			
2002	Water Temperature	Fully Supporting	Lower half of lake	2,997	10	0	
2002	Water Temperature	No Concern-Limited Data	Upper half of lake	2,996	6	0	
2002	рН	Fully Supporting	Lower half of lake	2,997	10	1	
2002	pН	Use Concern-Limited Data	Upper half of lake	2,996	6	1	
2002	Chloride	Fully Supporting	Lower half of lake	2,997	16		6
2002	Chloride	Fully Supporting	Upper half of lake	2,996	16		6
2002	Sulfate	Fully Supporting	Lower half of lake	2,997	16		16
2002	Sulfate	Fully Supporting	Upper half of lake	2,996	16		16
2002	Total Dissolved Solids	Fully Supporting	Lower half of lake	2,997	17		107.2
2002	Total Dissolved Solids	Fully Supporting	Upper half of lake	2,996	17		107.2
2002	Overall General Use	Fully Supporting	Lower half of lake	2,997			
2002	Overall General Use	Fully Supporting	Upper half of lake	2,996			

Reserve	oir	Red River B	asin Total size:		5,993	Acres	
Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Fish Consump	otion Use						
2002	Human Health Criteria	No Concern-Limited Data	Lower half of lake	2,997	4		
2002	Human Health Criteria	Not Assessed	Upper half of lake	2,996	1		
2002	Overall Fish Consumption Use	Not Assessed	Lower half of lake	2,997			
2002	Overall Fish Consumption Use	Not Assessed	Upper half of lake	2,996			
Public Water	Supply Use	•		<u> </u>			
2002	Overall Public Water Supply Use	Fully Supporting	Lower half of lake	2,997			
2002	Overall Public Water Supply Use	Fully Supporting	Upper half of lake	2,996			
Overall Use St	upport						
2002		Fully Supporting	Lower half of lake	2,997			
2002		Fully Supporting	Upper half of lake	2,996			
Nutrient Enric	chment Concern						
2002	Ammonia Nitrogen	No Concern	Lower half of lake	2,997	10	2	
2002	Ammonia Nitrogen	Not Assessed	Upper half of lake	2,996	6	0	
2002	Nitrite + Nitrate Nitrogen	Not Assessed	Lower half of lake	2,997	9	0	
2002	Nitrite + Nitrate Nitrogen	Not Assessed	Upper half of lake	2,996	5	0	
2002	Orthophosphorus	Not Assessed	Lower half of lake	2,997	9	0	
2002	Orthophosphorus	Not Assessed	Upper half of lake	2,996	5	0	
2002	Total Phosphorus	No Concern	Lower half of lake	2,997	10	0	
2002	Total Phosphorus	Not Assessed	Upper half of lake	2,996	6	0	
2002	Overall Nutrient Enrichment Concerns	No Concern	Lower half of lake	2,997			

Segment ID: 0209 Water body name: Pat Mayse Lake Reservoir Red River Basin Total size: 5,993 Acres Status of Use # of Assessment Location # of Year **Assessment Method Support or Concern** Location samples exceedances Mean size **Nutrient Enrichment Concern** (continued) 2002 Overall Nutrient Enrichment Upper half of lake Not Assessed 2,996 Concerns **Algal Growth Concern** 2002 Chlorophyll a No Concern Lower half of lake 2,997 10 0 2002 Chlorophyll a Upper half of lake 6 0 Not Assessed 2,996 **Sediment Contaminants Concern** 2002 Metals in sediment Lower half of lake Not Assessed 2,997 4 2002 Metals in sediment Not Assessed Upper half of lake 2,996 2002 Organics in sediment Not Assessed Lower half of lake 2,997 1 2002 Overall Sediment Contaminant Not Assessed Lower half of lake 2,997 Concerns 2002 Overall Sediment Contaminant Not Assessed Upper half of lake 2,996 Concerns **Fish Tissue Contaminants Concern** 2002 Metals in fish tissue 0 No Concern Lower half of lake 2,997 17 2002 Overall Fish Tissue Contaminant No Concern Lower half of lake 2,997 Concerns 2002 Overall Fish Tissue Contaminant Not Assessed Upper half of lake 2,996 Concerns **Public Water Supply Concern** 2002 Finished Water: Chloride No Concern Lower half of lake 2,997 2002 Upper half of lake Finished Water: Chloride No Concern 2,996 2002 Finished Water: Sulfate No Concern Lower half of lake 2,997

Reservoir		Red River B	asin Total size:		5,993 Acres			
Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean	
Public Water S	Supply Concern (continued)							
2002	Finished Water: Sulfate	No Concern	Upper half of lake	2,996				
2002	Finished Water: Total Dissolved Solids	No Concern	Lower half of lake	2,997				
2002	Finished Water: Total Dissolved Solids	No Concern	Upper half of lake	2,996				
2002	Finished Water: MTBE	No Concern	Lower half of lake	2,997				
2002	Finished Water: MTBE	No Concern	Upper half of lake	2,996				
2002	Finished Water: Perchlorate	Not Assessed	Lower half of lake	2,997				
2002	Finished Water: Perchlorate	Not Assessed	Upper half of lake	2,996				
2002	Finished Water: Overall	No Concern	Lower half of lake	2,997				
2002	Finished Water: Overall	No Concern	Upper half of lake	2,996				
2002	Surface Water: Chloride	No Concern	Lower half of lake	2,997	16		6	
2002	Surface Water: Chloride	No Concern	Upper half of lake	2,996	16		6	
2002	Surface Water: Sulfate	No Concern	Lower half of lake	2,997	16		16	
2002	Surface Water: Sulfate	No Concern	Upper half of lake	2,996	16		16	
2002	Surface Water: Total Dissolved Solids	No Concern	Lower half of lake	2,997	17		107.2	
2002	Surface Water: Total Dissolved Solids	No Concern	Upper half of lake	2,996	17		107.2	
2002	Surface Water: Overall	No Concern	Lower half of lake	2,997				
2002	Surface Water: Overall	No Concern	Upper half of lake	2,996				
2002	Overall Public Water Supply Concerns	No Concern	Lower half of lake	2,997				

Overall Narrative Criteria Concerns No Concern

2,996

Segment ID:	: 0209 Water body	name: Pat Mayse	Lake					
Reservoir		Red River Basin		Total size:		5,993 Acres		
Assessment Year	Assessment Method	Status of Use Support or Concern		Location	Location size	# of samples	# of exceedances	Mean
Public Water S	Supply Concern (continued)							
2002	Overall Public Water Supply Concerns	No Concern	Upper half of lake		2,996			
Narrative Crit	teria Concern							
2002	Overall Narrative Criteria Concerns	No Concern	Lower half of lake		2,997			

Overall Secondary Concern

2002

	J					
2002		No Concern	Lower half of lake	2,997		
2002		No Concern	Upper half of lake	2,996		

Upper half of lake